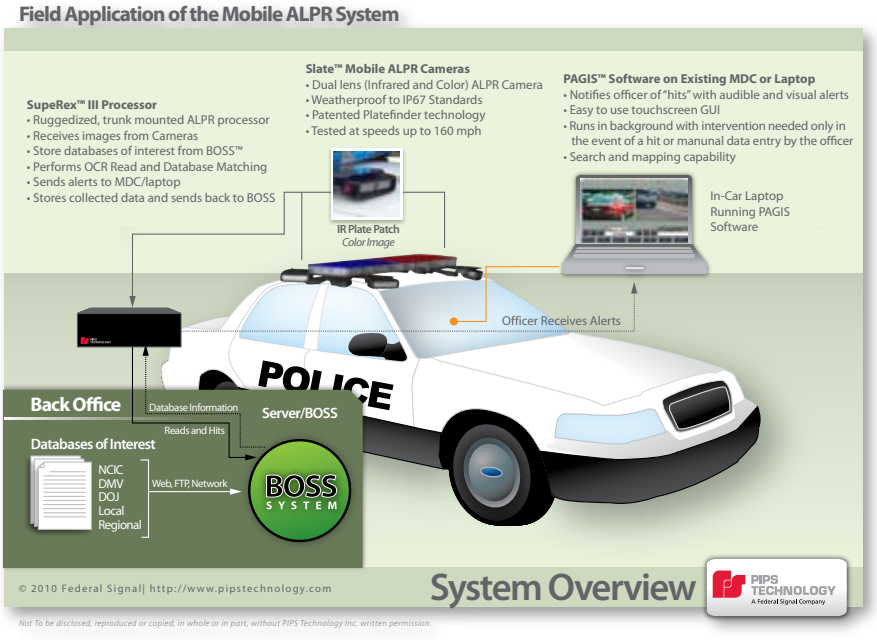
PAGIS® Automated License Plate Recognition Software

Federal SIgnal PIPS is the only provider in North or South America to design, manufacture and support a complete range of ALPR equipment, software and services — the result is a unique engineered solution designed to provide superior performance even in the harsh environments of a patrol application.

The Federal Signal PIPS Police ALPR Graphical Interface System (PAGIS) consists of up to four PIPS Slate, dual-channel (color and infrared) cameras connected to a PIPS SupeRex III trunk-mounted processor, and the PAGIS® in-car officer software interface.

Patented PIPS Platefinder® and TripleFlash® technologies, along with proprietary PIPS advanced OCR engines tailored to the state or region of interest, complete the package. PAGIS is the only solution to offer seamless integration with PIPS Back Office System Software (BOSS).


Field Application of the Mobile ALPR System
SupeRex™ III Processor
• Ruggedized, trunk mounted ALPR processor
• Receives images from Cameras
• Store databases of interest from BOSS™
• Performs OCR Read and Database Matching
• Sends alerts to MDC/laptop
• Stores collected data and sends back to BOSS
Slate™ Mobile ALPR Cameras
• Dual lens (Infrared and Color) ALPR Camera
• Weatherproof to IP67 Standards
• Patented Platefinder technology
• Tested at speeds up to 160 mph
PAGIS™ Software on Existing MDC or Laptop
• Notifies officer of "hits" with audible and visual alerts
• Easy to use touchscreen GUI
• Runs in background with intervention needed only in the event of a hit or manunal data entry by the officer
• Search and mapping capability
IR Plate Patch
Color Image
In-Car Laptop Running PAGIS Software
Officer Receives Alerts
POLICE
Back Office
Database Information
Server/BOSS
Reads and Hits
Databases of Interest
NCIC
DMV
DOJ
Local
Regional
Web, FTP, Network
BOSS SYSTEM
© 2010 Federal Signal| http://www.pipstechnology.com
System Overview
PIPS TECHNOLOGY
A Federal Signal Company
Not To be disclosed, reproduced or copied, in whole or in part, without PIPS Technology Inc. written permission.

Features

- PAGIS packages Federal Signal's industry leading ALPR technology and superior performance from PIPS into a complete mobile law enforcement solution
- High volume, accurate, license plate capture at speeds up to 160 mph
- Instant plate check against specified databases, (NCIC Stolen, Felony Warrants, Amber Alerts, local hot lists, etc.) with immediate alerts to the officer of any "hits"
- Seamless operation with PIPS' Back Office System Software (BOSS®) for data management, querying and mining, mapping and networking with other agencies
- Automated scofflaw enforcement

"Almost 7.4 million plates have been checked since we adopted the system. In addition to recovering over 1,000 stolen vehicles and making almost 200 arrests, the system has helped us improve the parking situation within the City by enabling us to better enforce the rules — the people are less likely to break the law when they know they will get caught. In the past twelve months, we have begun using the system to enforce parking regulations downtown. Over 700 vehicles with almost $350,000 in outstanding parking citations have been identified and towed using the PIPS solution. The revenue helps us to justify purchase of additional equipment to improve the safety of our City"

Sgnt. Chris Morgan,
Long Beach Police Department

Specifications

- Up to four dual-lens cameras at once
- Vehicle record contains infrared image of plate with corresponding OCR translation, color image of vehicle, date and time stamp, GPS coordinate, and relevant information from the database (in the event of a hit)
- User configurable audio and visual alarms
- Integration with existing MDC/laptop, or touch screen monitor with on-screen keyboard
- Support of wireless data transfer to/from the BOSS system for more frequently updated hotlists and to off-load captured data for immediate intelligence use
- Ability to prioritize databases so simultaneous hits are displayed by priority order as defined by the customer
- Data encryption to eliminate possibility of evidence tampering
- Ability to manually enter data enables immediate use of new intelligence

Primary Benefits:

- Officer efficiency — exponential productivity improvement as the system can capture up to 3,600 plates per hour
- Officer safety — providing officers with better awareness of their surroundings and of vehicles they are approaching
- Intelligence -—through the BOSS system, the intelligence possibilities are expanded as multiple patrol deployments, fixed site cameras and other agencies are networked
- Provide information to efficiently manage parking enforcement and generate revenue
- Elimination of profiling claims — the system looks at every vehicle regardless of the condition or the driver
- Improved license plate enforcement — better enforcement results due to identification of more suspect vehicles

Parking Scofflaw Violation

PIPS TECHNOLOGY
A Federal Signal Company
Headquarters - Americas: 804 Innovation Drive, Knoxville, TN 37932-2562 USA
Headquarters – Europe, Africa, Asia and Australia: York House School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4DG
800.548.7229 • pipstechnology.com
For more public safety information, visit federalsignal.com/publicsafety

©2010 Federal Signal Corporation. PSS5045 I 910